

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

HOHN *et al.*

Serial. No. TBA

Filed: July 7, 2003

For: Trichothecene Resistance Gene

Art Unit: 1638

Examiner: TBD

Atty Docket: 30884D

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, VA 22313

Sir:

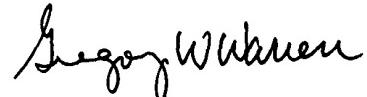
This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98. The items listed on the enclosed Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. Copies of these references may be found in parent application 09/538,414 with the exception of AZ and BA which are enclosed herewith. The Examiner is respectfully requested to fully consider the items in relation to this application and to indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination. Further, Applicants do not waive any right to take any action that would be appropriate to

antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Further, the submission of the Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

In accordance with 37 CFR §1.97(b)(3), no fee is believed to be required for consideration of this Statement since it is being submitted before the mailing date of a first Office Action on the merits. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 50-1744.

Respectfully submitted,



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## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 2

ATTY. DOCKET NO.  
30884D  
APPLICATION NO.  
TBA  
APPLICANT  
Hohn et al.  
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July 7, 2003Confirmation No.  
Group  
1638

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	5,773,696	6/30/98	Liang et al.	800	205	3/29/1996
	AB	6,060,646	5/9/00	Harris et al.	800	301	8/12/97

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	AC	WO 99 02703	1/21/99	WIPO			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 99 09173	2/25/99	WIPO			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 00 20573	4/13/00	WIPO			<input type="checkbox"/>	<input type="checkbox"/>
	AF	JP 2000-32985	2/2/00	JPO			<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AG	Bennetzen, J.L. and Jones, D.G., <i>Approaches and Progress in the Molecular Cloning of Plant Disease Resistance Genes</i> <i>Genetic Engineering</i> , Vol. 14, (1992) pp. 99-124
AH	Desjardins et al., <i>Reduced Virulence of Trichothecene-Nonproducing Mutants of Gibberella zeae in Wheat Field Tests</i> <i>Molecular Plant-Microbe Interactions</i> , Vol. 9, No. 9 (1996), pp. 775-781
AI	Harris et al., <i>Possible Role of Trichothecene Mycotoxins in Virulence of Fusarium graminearum on Maize</i> <i>Plant Disease</i> , Vol. 83, No. 10 (1999) pp. 954-960
AJ	Hohn et al., <i>Function and Biosynthesis of Trichothecenes Produced by Fusarium Species</i> ; Proceedings of the 3 <sup>rd</sup> Tottori International Symposium on Host-Specific Toxins, Daisen, Tottori, Japan, Published by Kluwer Academic, Dordrecht/Boston, #8258, pp. 17-24 (1998)
AK	Hohn et al., Abstract Published for National Fusarium Head Blight Forum – St. Paul, Minnesota (November 10, 1997)
AL	Hohn, et al., Abstract Published for Symposium on HSTs – Tottori, Japan (August 24, 1997)
AM	Kimura et al., <i>Features of Tri101, the Trichothecene 3-O-Acetyltransferase Gene, Related to the Self-defense Mechanism in Fusarium graminearum</i> <i>Bioscience Biotechnology and Biochemistry</i> , Vol. 62(5), (1998) pp. 1033-1036
AN	Kimura et al., <i>The Mystery of the Trichothecene 3-O-acetyltransferase gene; Analysis of the Region Around Tri101 and Characterization of its Homologue from Fusarium Sporotrichioides</i> <i>Federation of European Biochemical Societies Letters</i> , 435, (1998) pp. 163-168
AO	Kimura et al., <i>Trichothecene 3-O-Acetyltransferase Protects Both the Producing Organism and Transformed Yeast from Related Mycotoxins</i> <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 3 (January 16, 1998) pp. 1654-1661

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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Sheet 2 of 2

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)**

AP	Kim et al., <i>Ribosomal Protein Gene Expression and Trichothecene Resistance in Arabidopsis Thaliana</i> Ph.D. Dissertation, Ohio State University, 1991, Database Dissabs an 91:4157
AQ	Linthorst et al., <i>Constitutive Expression of Pathogenesis-Related Proteins PR-1, GRP, and PR-S in Tobacco Has No Effect on Virus Infection</i> <i>The Plant Cell</i> , Vol. 1 (March 1989) pp. 285-291
AR	McCormick et al., <i>Disruption of TRI101, the Gene Encoding Trichothecene 3-O-Acetyltransferase, from Fusarium sporotrichioides</i> <i>Applied and Environmental Microbiology</i> , Vol. 65, No. 12 (December 1999), pp. 5252-5256
AS	Preston, et al., (May 1996), GenBank Accession No.: L41862, [online] <a href="http://www.ncbi.nlm.nih.gov/entrez/">http://www.ncbi.nlm.nih.gov/entrez/</a>
AT	Proctor et al., <i>Reduced Virulence of Gibberella zae Caused by Disruption of a Trichothecene Toxin Biosynthetic Gene</i> <i>Molecular Plant-Microbe Interactions</i> , Vol. 8, No. 4 (1995) pp. 593-601
AU	Wedler, H. et al., (May 22, 1996), GenBank Accession No.: Z73168.1, [online] <a href="http://www.ncbi.nlm.nih.gov/entrez/">http://www.ncbi.nlm.nih.gov/entrez/</a>
AX	English abstract of JP200032985, dated February 2, 2000
AY	Letter from USDA (Thomas Hohn) to Novartis Biotechnology (Bernard Vernooij), dated March 24, 1998
AZ	O'Donnell et al., (2000) Gene genealogies reveal global phylogeographic structure and reproductive isolation among lineages of <i>Fusarium graminearum</i> , the fungus causing wheat scab. <i>Proc. Natl. Acad. Sci.</i> 97(14):7905-7910
BA	O'Donnell et al. GenBank Accession No. AF212605, [online] <a href="http://www.ncbi.nlm.nih.gov/entrez/">http://www.ncbi.nlm.nih.gov/entrez/</a> Submitted: Dec. 8, 1999; Available to the public online: January 2, 2001.
BB	
BC	
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BE	
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